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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/696,005	10/29/2003	William J. Palmteer	18117[1111-03]	7102
26794 7	590 05/04/2006	EXAMINER		
TYCO TECHNOLOGY RESOURCES 4550 NEW LINDEN HILL ROAD, SUITE 140			LOKE, STEVEN HO YIN	
	N, DE 19808-2952	SILE 140	ART UNIT	PAPER NUMBER
			2811	

DATE MAILED: 05/04/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

			W			
		Application No.	Applicant(s)			
Office Action Summary		10/696,005	PALMTEER ET AL.			
		Examiner	Art Unit			
		Steven Loke	2811			
Period fo	The MAILING DATE of this communication apports or Reply	pears on the cover sheet with the c	correspondence address			
WHIC - Exte after - If NC - Failt Any	ORTENED STATUTORY PERIOD FOR REPL' CHEVER IS LONGER, FROM THE MAILING D. nsions of time may be available under the provisions of 37 CFR 1.1 SIX (6) MONTHS from the mailing date of this communication. O period for reply is specified above, the maximum statutory period or tre to reply within the set or extended period for reply will, by statute reply received by the Office later than three months after the mailing ed patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tir will apply and will expire SIX (6) MONTHS from the cause the application to become ABANDONE	N. nely filed the mailing date of this communication. ED (35 U.S.C. § 133).			
Status						
1)🛛	Responsive to communication(s) filed on 17 F	ebruary 2006.	.1			
•	This action is FINAL. 2b)⊠ This action is non-final.					
3) 🗌	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.					
Disposit	ion of Claims					
4)⊠	4) Claim(s) 1,2,6-8,14 and 15 is/are pending in the application.					
	4a) Of the above claim(s) is/are withdrawn from consideration.					
5)	5) Claim(s) is/are allowed.					
•	⊠ Claim(s) <u>1, 2, 6-8, 14, 15</u> is/are rejected.					
•	7) Claim(s) is/are objected to.					
8)	Claim(s) are subject to restriction and/c	or election requirement.				
Applicat	ion Papers					
	The specification is objected to by the Examine					
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority	under 35 U.S.C. § 119					
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some * c) None of:						
1. Certified copies of the priority documents have been received.						
2. Certified copies of the priority documents have been received in Application No						
3. Copies of the certified copies of the priority documents have been received in this National Stage						
application from the International Bureau (PCT Rule 17.2(a)).						
*	See the attached detailed Office action for a list	t of the certified copies not receive	ed.			
Attachme	nt(s)	•				
_	ce of References Cited (PTO-892)	4) 🔲 Interview Summar				
2) Noti	ce of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail D	Pater Patent Application (PTO-152)			
	rmation Disclosure Statement(s) (PTO-1449 or PTO/SB/08 er No(s)/Mail Date	6) Other:				

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1. Claim 8 is objected to because of the following informalities: line 3, the phrase "the material" has no antecedent basis. Appropriate correction is required.

2. Claims 1, 2, 6-8, 14 and 15 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 1, line 4, claim 14, line 5, the phrase "metal matrix composite" is unclear as to what is it meant. Is it being referred to a compound of a metal?

Since claims 1 and 14 disclose the reflector layer can be made of a metal matrix composite, it is unclear what is the relationship between a coefficient of thermal expansion of a material of the reflector layer and a coefficient of thermal expansion of a material of the electrically insulating substrate layer if the reflector layer is made of a metal matrix composite.

3. Applicant's arguments with respect to claims 1, 2, 6-8 and 14-15 have been considered but are most in view of the new ground(s) of rejection.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Steven Loke whose telephone number is (571) 272-1657. The examiner can normally be reached on 8:00 am to 5:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Eddie Lee can be reached on (571) 272-1732. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

sl April 30, 2006

Steven Loke Primary Examiner Steven Loke